

=> fil reg

FILE 'REGISTRY' ENTERED AT 08:44:34 ON 01 AUG 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JUL 2008 HIGHEST RN 1037244-07-7  
DICTIONARY FILE UPDATES: 30 JUL 2008 HIGHEST RN 1037244-07-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> d his

(FILE 'HOME' ENTERED AT 08:41:03 ON 01 AUG 2008)

FILE 'REGISTRY' ENTERED AT 08:41:14 ON 01 AUG 2008  
E METABLEN S ?/CN

L1 1 S E1

FILE 'HCAPLUS' ENTERED AT 08:44:00 ON 01 AUG 2008

L2 1 S L1

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 08:44:36 ON 01 AUG 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is  
held by the publishers listed in the PUBLISHER (PB) field (available  
for records published or updated in Chemical Abstracts after December  
26, 1996), unless otherwise indicated in the original publications.  
The CA Lexicon is the copyrighted intellectual property of the  
the American Chemical Society and is provided to assist you in searching  
databases on STN. Any dissemination, distribution, copying, or storing  
of this information, without the prior written consent of CAS, is  
strictly prohibited.

FILE COVERS 1907 - 1 Aug 2008 VOL 149 ISS 5  
FILE LAST UPDATED: 30 Jul 2008 (20080730/ED)

HCAPLUS now includes complete International Patent Classification (IPC)

August 1, 2008

10/549,708

2

reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d l2 ibib abs hitstr hitind

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:353201 HCAPLUS Full-text

DOCUMENT NUMBER: 127:18432

ORIGINAL REFERENCE NO.: 127:3720h,3721a

TITLE: Tough heat-resistant epoxy resin compositions and fiber-reinforced tubes using the same

INVENTOR(S): Sano, Tomoo; Lin, Shigeji; Sugimori, Masahiro

PATENT ASSIGNEE(S): Mitsubishi Rayon Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	
JP 09077844	A	19970325	JP 1995-235667	19950913
				19950913

PRIORITY APPLN. INFO.: JP 1995-235667

AB Title compns. comprise epoxy resins, epoxy resin hardeners, and composite rubber graft copolymers formed by grafting vinyl monomers on composite rubbers containing polyorganosiloxanes and poly[alkyl (meth)acrylate]. Thus, Ep 828 100, a graft copolymer (from tetraethoxysilane- $\gamma$ -methacryloyloxypropyldimethoxymethylsilane- octamethylcyclotetrasiloxane copolymer, Bu acrylate allyl methacrylate, and styrene) 10, dicyanedi- amide 4.5, and 3,4-dichlorophenyl-N,N-dimethylurea 4 parts were blended into a curing resin with high impact strength and heat resistant.

IT 189348-46-7F

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(tough heat-resistant epoxy resin compns. and fiber-reinforced tubes using the same)

RN 189348-46-7 HCAPLUS

CN Guanidine, cyano-, polymer with (chloromethyl)oxirane, Metablen S 2001 and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)

CM 1

CRN 149718-92-3

CMF Unspecified

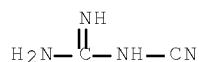
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 461-58-5

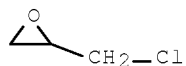
CMF C2 H4 N4



CM 3

CRN 106-89-8

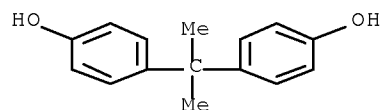
CMF C3 H5 Cl O



CM 4

CRN 80-05-7

CMF C15 H16 O2



IC ICM C08G059-18

ICS C08G059-18; B29C070-06; C08F265-00; C08G077-42; C08J005-24;  
B29K063-00; B29K105-08; B29L023-00

CC 37-6 (Plastics Manufacture and Processing)

IT 189348-45-6P 189348-46-7P 189446-99-9P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM  
(Technical or engineered material use); PREP (Preparation); USES  
(Uses)(tough heat-resistant epoxy resin compns. and fiber-reinforced  
tubes using the same)

log=&gt; fil reg

FILE 'REGISTRY' ENTERED AT 08:51:16 ON 01 AUG 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file

August 1, 2008

10/549,708

4

provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JUL 2008 HIGHEST RN 1037244-07-7  
DICTIONARY FILE UPDATES: 30 JUL 2008 HIGHEST RN 1037244-07-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> d l1 ide

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 189348-46-7 REGISTRY  
ED Entered STN: 30 May 1997  
CN Guanidine, cyano-, polymer with (chloromethyl)oxirane, Metablen S  
2001 and 4,4'-(1-methylethylidene)bis[phenol] (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Metablen S 2001, polymer with (chloromethyl)oxirane,  
cyanoguanidine and 4,4'-(1-methylethylidene)bis[phenol] (9CI)  
CN Oxirane, (chloromethyl)-, polymer with cyanoguanidine, Metablen S  
2001 and 4,4'-(1-methylethylidene)bis[phenol] (9CI)  
CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with  
(chloromethyl)oxirane, cyanoguanidine and Metablen S 2001 (9CI)  
MF (C15 H16 O2 . C3 H5 Cl O . C2 H4 N4 . Unspecified)x  
CI PMS  
PCT Epoxy resin, Manual component, Polyother  
SR CA  
LC STN Files: CA, CAPLUS

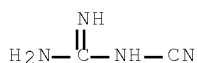
CM 1

CRN 149718-92-3  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 461-58-5  
CMF C2 H4 N4



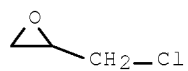
CM 3

August 1, 2008

10/549,708

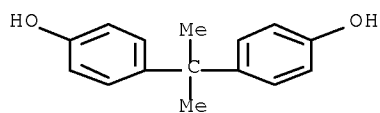
5

CRN 106-89-8  
CMF C3 H5 Cl O



CM 4

CRN 80-05-7  
CMF C15 H16 O2



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>